

**B.Sc. MEDICAL LABORATORY TECHNOLOGY**

**THIRD YEAR**

**PAPER II – BIOCHEMISTRY – II**

*Q.P. Code: 725032*

**Time: Three Hours**

**Maximum: 100 Marks**

**Answer all questions**

**I. Elaborate on:**

**(3 x 10 = 30)**

1. How will you perform renal function tests?
2. Explain the process of RNA transcription.
3. Write brief notes on the role of enzymes in diagnosis.

**II. Write notes on:**

**(8 x 5 = 40)**

1. Acid base balance.
2. Diagnostic importance of transaminases.
3. Principles of automation.
4. Glycogen storage diseases.
5. Respiratory acidosis and alkalosis.
6. Recombinant DNA technology.
7. Jaundice.
8. Cardiac enzymes and their significance.

**III. Short answers on:**

**(10 x 3 = 30)**

1. Tumor markers.
2. Introns and exons.
3. Cell cycle.
4. Inhibitors of protein synthesis.
5. Familial hypercholesterolemia.
6. Western blotting.
7. Deoxy-ribo nucleic acid repair mechanisms.
8. Good cholesterol.
9. Okasaki fragment.
10. Role of histones.

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